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TITLE: NETWORK MONITORING SYSTEM

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ABSTRACT:

   PURPOSE: To unitarily control communication error information by sending
communication error information from a transmission side to a bus type packet
communication network by a broadcast communication system when

the
communication error information is stored by a predetermined
number of times,
and receiving and storing the communication error information on a
reception
side.

CONSTITUTION: Communication control equipments 2-4
send/receive packet
signals to one another through the bus type data transmission line 1
and store
information on a communication error when the error is detected.
When an
assigned area in a communication error information memory
becomes full, the
contents of the communication error information memory are
transmitted with the
broadcast communication system and then the contents of the
communication
information memory are restored to its initial state. Here, the
communication
error information memory is realized through a software by using
some area in a
data memory 13. The network monitoring functions executing
specification
switch 19 of a communication controller 5 is on and while packet
signals are
sent to and received from other communication controllers through
the
transmission line 1, received error information sent from the
respective
communication controllers with the broadcast communication system
is stored in
the memory temporarily and then printed on a printer 6.